

PTO/85/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<h1>TRANSMITTAL FORM</h1> <p>(to be used for all correspondence after initial filing)</p>	Application Number	09/187,197	
	Filing Date	11/03/1998	
	First Named Inventor	Jacson Liu	
	Group Art Unit	2822	
	Examiner Name	Guerrero, Maria F	
Total Number of Pages in This Submission	47	Attorney Docket Number	MVIP0005USA

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks Response to the office action has been sent to the examiner by fax on 7/4/2003.		FAX RECEIVED JUL 04 2003 TECHNOLOGY CENTER 2800

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Winston Hsu
Signature	<i>Winston Hsu</i>
Date	7/4/2003

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____			
Typed or printed name			
Signature		Date	

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PTO/BB/17 (01-03)

Approved for use through 04/30/2003. OMB 0861-0032
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**FEE TRANSMITTAL
for FY 2003**

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT**(\$)**0.00****Complete if Known**

Application Number	09/187,197
Filing Date	11/03/1998
First Named Inventor	Jacson Liu
Examiner Name	Quemero, Maria F
Art Unit	2822
Attorney Docket No.	MVIP0005USA

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit Account:

Deposit Account Number	50-0801
Deposit Account Name	North America International Patent Office

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	
1002 330	2002 165	Design filing fee	
1003 620	2003 280	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 180	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$)0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent	-20** =	X	
Multiple Dependent	-3** =	X	
			0.00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 84	2201 42	Independent claims in excess of 3	
1203 280	2203 140	Multiple dependent claim, if not paid	
1204 84	2204 42	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	
SUBTOTAL (2)			(\$)0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	2053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 410	2252 205	Extension for reply within second month	
1253 930	2253 465	Extension for reply within third month	
1254 1,450	2254 725	Extension for reply within fourth month	
1255 1,870	2255 935	Extension for reply within fifth month	
1401 320	2401 180	Notice of Appeal	
1402 320	2402 180	Filing a brief in support of an appeal	
1403 280	2403 140	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,300	2453 650	Petition to revive - unintentional	
1601 1,300	2601 650	Utility issue fee (or reissue)	
1602 470	2602 235	Design issue fee	
1503 830	2503 315	Plant issue fee	
1480 130	1480 130	Petitions to the Commissioner	
1607 50	1607 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 750	2809 375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 780	2810 375	For each additional invention to be examined (37 CFR 1.129(b))	
1801 760	2801 375	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **(\$)**0.00******SUBMITTED BY**

Name (Print/Type)	Winston Hsu	Registration No. (Attorney/Agent)	41,526	Telephone	886289237350
Signature	<i>Winston Hsu</i>	Date	7/14/2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-788-9199) and select option 2.

PTO/58/197 (08-00)

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Date

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JUL 04 2003

Dana Pal

Signature

TECHNOLOGY CENTER 2800

Dana Pal

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

APPLICATION NUMBER: 09/187,197

PAPERS INCLUDED:

(1) Transmittal Form

1 PAGE

(2) Fee Transmittal

1 PAGE

(3) Response to the Office Action

45 PAGES

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**NORTH AMERICA
INTERNATIONAL PATENT OFFICE**

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JUL 04 2003

FROM : Winston Hsu, PATENT AGENT, REG. NO. : 41,526 TECHNOLOGY CENTER 2800

SUBJECT: SERIAL NO. :

RESPONSE TO OFFICE ACTION MAILED ON 04/23/2003

TOTAL PAGES : 49 PAGES (INCLUDING COVER PAGE)

**The hardcopy of this response will be sent to USPTO by Federal Express
right away.**

Winston Hsu 2003/7/4

#9 / *Amend B*
Q Total
PATENT
7/11/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jacson Liu Examiner: Guerrero,
Maria F
Filing Date: 11/03/1998 Art Unit: 2822
Serial No.: 09/187,197 Docket No.: MVIP0005USA

Title: Shallow Trench Isolation Method for a
Semiconductor Wafer

To: Commissioner for Patents
P.O. BOX 1450
Alexandria, VA 22313-1450

Subject: Request for drawing changes in response to the
Office Action dated 04/23/2003

Dear Sir/Madam:

In response to the Office action identified above,
seventeen pages of proposed drawing changes are
attached. Each of the drawing changes is described
below:

1. A legend, Prior Art, has been added in each of Figs. 1-6,
as shown in the attached drawings. No new matter is
introduced. Allowance of the drawing changes is
hereby requested.
2. Fig. 13 is corrected for supporting the validity of
the present application. No new matter is introduced.

Allowance of the drawing changes is hereby requested.

3. Fig.1 to Fig.17 are respectively drawn on a sheet
of paper. No new matter is introduced. Allowance of
5 the drawing changes is hereby requested.

10 Sincerely yours,

Winston Hsu

Date:

7/4/2003

15 Winston Hsu, Patent Agent No.41,526
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